

Aleks Chionglo

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Education

University of Toronto

Toronto

Honours B.Sc. Computer Science Major, Statistics Minor, Economics Minor, 3.0 GPA

September 2019 - Present

Technical Skills

Programming Languages Python, SQL, R, Matlab, Java, C++, C, HTML/CSS, Javascript

Libraries Pandas, Numpy, ScikitLearn, TensorFlow, ReactJS, Bootstrap

Work Experience

Data Analyst Intern

Toronto - Remote

CDL Rapid Screening Consortium

May 2021 - December 2021

- Extrapolated SQL queries to find critical data points for company performance
- Used R to model the meeting attendance impact and organization progress through the consortium
- Live queried data in large scale meetings with 100+ organizations to provide accurate information on clients
- Assisted organizations with data separation and cleaning to smoothly integrate into the data system

Program Monitor

Toronto

University of Toronto Scarborough

May 2023 - Present

- Used quick and timely decision making skills to accurate referee basketball games
- Used problem solving skills to de-escalate situations that arose during games
- Effectively communicated with participants during sports activities to encourage participation

Piano Teacher

Toronto

Self Employed

September 2019 - Present

- Created customized lesson plans to cater to student needs
- Develop strong working relationships with parents and students to meet student needs.
- Communicate with parents regarding upcoming events and student progress.

Projects

Solubility Machine Learning Project

R, ScikitLearn, Pandas

October 2023

- Extrapolated data from a molecule solubility dataset to predict molecule solubility in different solvents.
- Utilized multiple regression and random forest to train the model to predict at a high accuracy

Pygame Sudoku Solver

Python

May 2023

- Created a GUI Sudoku interface using Python and the Pygame library
- Applied backtracking algorithm to solve any given valid input game

Brown Fat Case Study

R, Pandas

April 2023

- Created statistical models to predict the existence and volume of brown fat in individuals with cancer
- Created graphs to analyze correlation and QQ Residual plots to improve model accuracy

NBA Analytics Project

R, Pandas, ScikitLearn

March 2023

- Created Multiple Regression Models in R to prove referee bias based on teams playing and location of any game
- Extrapolated data to predict key statistics based on training data used from the 2020-2021 season

Course Website

HTML, CSS, Javascript, Python

March 2021

- Created a login functionality course website with different views for student, teaching assistant, and professor
- Used SQL and Javascript to create a grade interface for professors to post and edit student grades in an interactive manner